Kansas

Science and Engineering Profile

Characteristic	State	U.S.	Rank	Characteristic	State	U.S.	Rank
Doctoral scientists, 1999[1]	3,700	518,670	34	Total R&D performance, 1998 (millions)	$1,518	$214,668	30
Doctoral engineers, 1999[1]	520	107,100	37	Industry R&D, 1998 (millions)	$1,279	$163,480	27
S&E doctorates awarded, 1999[1]	256	25,953	30	Academic R&D, 1998 (millions)	$211	$25,342	32
of which, in life sciences	28%	25%		of which, in life sciences	58%	57%	
in psychology	23%	14%		in engineering	18%	16%	
in physical sciences	17%	14%		in physical sciences	9%	9%	
S&E postdoctorates, 1998[1]				Public higher education current-fund			
in doctorate-granting institutions	262	39,494	28	expenditures, 1997 (millions)	$1,596	$125,236	29
S&E graduate students, 1998[1]				Number of SBIR awards, 1990-98	73	35,413	37
in doctorate-granting institutions	6,270	422,834	23	Patents issued to state residents, 1999	433	83,901	33
Population, 1999 (thousands)	2,654	276,580	33	Gross state product, 1998 (billions)	$77	$8,800	31
Civilian labor force, 1999 (thousands)	1,434	140,536	31	of which, agriculture	4%	1%	
				manufacturing, mining, construction	23%	22%	
Personal income per capita, 1999	$26,824	$28,542	28	transportation, communication, utilities	11%	9%	
				wholesale and retail trade	18%	16%	
Federal spending				finance, insurance, real estate	13%	19%	
Total expenditures, 1999 (millions)	$14,447	$1,508,933	33	services	18%	21%	
R&D obligations, 1998 (millions)	$129	$70,445	41	government	13%	12%	

NOTE: Rankings and totals are based on data for the 50 States, District of Columbia, and Puerto Rico. Reliability of the estimates of industry R&D and of doctoral scientists and engineers varies by State, because the sample allocation was not based on geography. The rankings do not take into account the margin of error of estimates from sample surveys.

[1]Data on graduate students, doctoral scientists and engineers, and postdoctorates include all graduate degree (except M.D.) candidates and recipients in S&E fields, including health fields. Data on S&E doctorates awarded do not include health fields.

Federal Obligations for Research and Development by Agency and Performer: Fiscal Year 1998

	Performer							
Agency	Total	Federal Intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank, total
	[In thousands of dollars]							
Total, all agencies	128,697	24,757	0	19,642	78,444	1,210	4,644	41
Department of Agriculture	13,736	7,849	0	0	5,878	9	0	35
Department of Commerce	1,028	154	0	0	425	449	0	39
Department of Defense	31,276	9,823	0	16,710	4,743	0	0	36
Department of Energy	3,890	0	0	10	3,880	0	0	38
Dept. of Health & Human Services	48,338	704	0	1,501	42,073	752	3,308	34
Department of the Interior	6,466	6,227	0	22	129	0	88	30
Department of Transportation	1,373	0	0	0	125	0	1,248	41
Environmental Protection Agency	2,842	0	0	0	2,842	0	0	26
National Aeronautics and Space Admin	5,555	0	0	1,370	4,185	0	0	38
National Science Foundation	14,193	0	0	29	14,164	0	0	31
State rank, total	41	45	na	41	32	49	22	na

NOTE: Federal R&D obligations are as reported by funding agencies. Ranks and totals are based on data for the 50 States, District of Columbia, and Puerto Rico.

KEY: FFRDC = federally funded research and development center; SBIR = small business innovation research; na = not applicable.

SOURCES: Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources -- see the section, "Data Sources for Science and Engineering (S&E) State Profiles".